| Time Stamp | 2005/04/11 10:54 | 2005/04/12 16:41 | 2005/04/13 07:01 | 2005/04/11 10:58 | 2005/04/11 11:19 | 2005/04/11 11:19 | 2005/04/11 11:01 |
|---------------------|---|---|---|---|---|---|---|
| Plurals | OFF | N O | NO O | NO | NO | NO | 8 0 |
| Default Operator | S. | A R | g. | S. | g. | R | g |
| DBs | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| Search Query | f (("20050001635") or ("6166512")).PN. | (324/713.ccls.) and @ad<"20040401" | (324/691,649,600.ccls.) and @ad<"20040401" | S2 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | S3 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | S4 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | S5 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 |
| Hits | 4 | 413 | 579 | 194 | 115 | 141 | 72 |
| Ref # | S1 | | SS | 2 2 | | 98 | 22 |

| | 2 | S6 and (\$5heat near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | NO | 2005/04/11 11:05 |
|--|------|--|---|-----|----|------------------|
| | m | S7 and (\$5heat near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | NO | 2005/04/11 11:20 |
| | 149 | ((over\$1heat (over adj heat)) near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR. | NO | 2005/04/11 11:25 |
| | 144 | S10 and @ad<"20040401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/11 11:24 |
| | 37 | S11 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/11 11:26 |
| | 12 | S12 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/11 11:27 |
| ······································ | 3954 | (over\$1heat (over adj heat)) same (vehicle car automobile auto motor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/11 11:29 |

| 2005/04/11 11:30 | 2005/04/11 11:30 | 2005/04/11 11:31 | 2005/04/11 11:31 | 2005/04/11 12:16 | 2005/04/11 12:17 | 2005/04/11 12:17 |
|---|--|--|--|---|---|---|
| NO | NO O | NO N | NO O | NO . | NO O | NO O |
| NO. | R | g | S. | g R | S. | R |
| US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| S14 and @ad<"20040401" | S15 and ((over\$1heat (over adj heat)) near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | S16 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | S17 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | (over\$1heat over\$1current (over adj (current heat))) same (vehicle car automobile auto motor) | S19 and @ad<"20040401" | S20 and ((over\$1heat over\$1current (over adj (current heat))) near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 |
| 3733 | 37 | ω | m | 9830 | 9420 | 344 |
| S15 | 516 | 517 | S18 | S19 | 820 | 521 |

| OR 0N 2005/04/11 12:18 | OR 2005/04/11 12:18 | OR 2005/04/11 12:32 | OR 0005/04/11 12:19 | OR 2005/04/11 12:20 | OR 2005/04/11 12:50 | OR 0N 2005/04/11 12:49 |
|--|--|---|---|---|---|---|
| US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | USPAT; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| S21 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | S22 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | S23 and (resist\$5 near3 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) | S24 and (vehicle car automobile auto motor) near2 (monitor\$3 control\$5 regualt\$5 diagnos\$5) | S25 and electric\$3 adj (vehicle car automobile auto motor) | (over\$1heat over\$1current (over adj (current heat))) same (vehicle car automobile auto train) | S27 and @ad<"20040401" |
| 204 | 107 | 97 | 09 | 18 | 3106 | 2950 |
| S22 | 523 | S24 | S25 | S26 | 527 | 528 |

| 529 | 95 | S28 and ((over\$1heat over\$1current (over adj (current heat))) near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SO. | NO | 2005/04/11 12:51 |
|-----|-------|---|---|--------|----|------------------|
| 530 | 42 | S29 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S S | NO | 2005/04/11 12:51 |
| 531 | 37 | S30 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S S | NO | 2005/04/11 12:52 |
| 532 | 21 | S31 and (vehicle car automobile auto train) near2 (monitor\$3 control\$5 regualt\$5 diagnos\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR. | NO | 2005/04/11 12:52 |
| S33 | ω | S32 and electric\$3 adj2 (vehicle car automobile auto motor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S S | NO | 2005/04/11 14:50 |
| 534 | 7 | S33 and (resist\$5 near3 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S S | NO | 2005/04/13 08:36 |
| 535 | 69670 | (rail\$1road (rail adj road) electric\$3 locomotive) adj2 (vehicle car automobile auto train) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | % | NO | 2005/04/11 12:49 |

| 65795 S. | S | S35 and @ad<"20040401" | US-PGPUB; USPAT; | OR | NO | 2005/04/11 14:58 |
|--|---------------------------------------|---|---|-----|--------|------------------|
| | | | EPO; JPO; DERWENT; IBM_TDB | | | |
| 496 S36 and (| S36 and (car auton | S36 and (over\$1heat over\$1current (over adj (current heat))) same (vehicle car automobile auto train) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/11 14:59 |
| 17 S37 and (check\$3 examin\$! diagnos\$ | S37 and (check\$3 examin\$! diagnos\$ | S37 and ((over\$1heat over\$1current (over adj (current heat))) near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/11 15:00 |
| 12 S38 and calculat\$ anal\$5 π | S38 and calculat\$ anal\$5 π | S38 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/11 15:24 |
| 10 S39 and calculat\$ anal\$5 m | S39 and calculat\$ anal\$5 π | S39 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/11 15:01 |
| 7 S40 and regualt\$! | S40 and regualt\$ | S40 and (vehicle car automobile auto train) near2 (monitor\$3 control\$5 regualt\$5 diagnos\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | N O | 2005/04/11 12:53 |
| 6 S41 and calculat\$ anal\$5 n | S41 and calculat\$ anal\$5 n | S41 and (resist\$5 near3 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SO. | NO | 2005/04/11 12:53 |

| S43 | 36995 | electric\$3 adj (vehicle car automobile auto train) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | క | NO | 2005/04/12 12:37 |
|------------------|-------|---|---|--------------|--------|------------------|
| \$ 44 | 35340 | S43 and @ad<"20040401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | NO | 2005/04/11 14:58 |
| S45 | 173 | S44 and (over\$1heat over\$1current (over adj (current heat))) same (electric\$3 adj (vehicle car automobile auto train)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | & | NO | 2005/04/11 15:23 |
| S46 | 7 | S45 and ((over\$1heat over\$1current (over adj (current heat))) near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | NO | 2005/04/13 07:09 |
| 547 | 9 | S46 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | NO | 2005/04/12 12:36 |
| 248 | ľ | S47 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S S | NO | 2005/04/12 12:36 |
| S49 | 56 | S44 and (over\$1heat (over adj heat)) same (electric\$3 adj (vehicle car automobile auto train)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | N O | 2005/04/12 12:34 |

| S50 | 18 | S49 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | N O | 2005/04/11 16:37 |
|-----|------|--|---|----------------|----------------|------------------|
| S51 | ω | S50 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | Q R | N _O | 2005/04/11 15:25 |
| S52 | 2 | jp-08196001-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | O _K | No. | 2005/04/11 16:37 |
| S53 | 2 | jp-10225158-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | g S | NO | 2005/04/11 16:38 |
| S54 | 1439 | (over\$1heat (over adj heat)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S S | No. | 2005/04/12 12:35 |
| S55 | 1343 | S54 and @ad<"20040401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ۵. | NO O | 2005/04/12 14:02 |
| 556 | 142 | S55 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR. | NO | 2005/04/12 15:24 |

| 257 | 57 | S56 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SO. | N O | 2005/04/12 16:35 |
|-----|------|--|---|---------|--------|------------------|
| 558 | - | S57 and electric\$3 adj (vehicle car automobile auto train) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | Q S | N O | 2005/04/12 14:02 |
| 829 | 23 | S57 and (vehicle car automobile auto train) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | Q | NO | 2005/04/12 12:37 |
| 098 | 3743 | brak\$3 same resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR S | NO | 2005/04/12 14:03 |
| S61 | 3500 | S60 and @ad<"20040401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | N O | 2005/04/12 14:03 |
| S62 | 102 | S61 and electric\$3 adj (vehicle car automobile auto train) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | N O | 2005/04/12 16:56 |
| S63 | 2407 | brak\$3 same resistance | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SO. | NO O | 2005/04/12 14:05 |

| S64 | 2248 | S63 and @ad<"20040401" | | A R | NO | 2005/04/12 14:05 |
|-----|------|--|---|--------|--------|------------------|
| | | | USPAT; EPO; JPO; DERWENT; IBM_TDB | | | |
| S65 | 46 | S64 and electric\$3 adj (vehicle car automobile auto train) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | NO | 2005/04/12 14:31 |
| 998 | 43 | brak\$3 same heat\$3 same (resistance near5 change) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR. | N O | 2005/04/12 16:40 |
| 267 | 39 | S66 and @ad<"20040401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | N O | 2005/04/12 15:08 |
| 898 | 25 | S67 and (vehicle car automobile auto train) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | N O | 2005/04/12 14:32 |
| 698 | 88 | (electric\$3 adj (vehicle car automobile auto train)) same (resistance with brak\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | N O | 2005/04/12 15:07 |
| 870 | 51 | S69 and @ad<"20040401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR. | N O | 2005/04/12 15:08 |

| 20 | S70 and brak\$3 adj2 resist\$5 | US-PGPUB; | S. | NO | 2005/04/12 15:11 |
|------|--|---|---|----|------------------|
| | | USPAT; EPO; JPO; DERWENT; IBM_TDB | | | |
| 384 | (701/22.ccls.) and @ad<"20040401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/12 16:26 |
| | S70 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/12 16:35 |
| - | S73 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/12 15:27 |
| 10 | S72 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | O. S. | NO | 2005/04/12 15:27 |
| 4 | S75 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/12 15:27 |
| 3308 | (180/65.1-65.8.ccls.) and @ad<"20040401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2005/04/12 16:26 |

| S78 | 815 | (318/375,376,379,380.ccls.) and @ad<"20040401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SO. | N O | 2005/04/12 16:28 |
|-------------|------|--|---|-----|--------|------------------|
| 879 | 1356 | (318/139,471.ccls.) and @ad<"20040401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR. | N O | 2005/04/12 16:30 |
| 280 | 2 | S72 and (dynamic\$4 adj brak\$4).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | N O | 2005/04/13 08:30 |
| 581 | 12 | S77 and (dynamic\$4 adj brak\$4).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | N O | 2005/04/12 16:48 |
| S 82 | 125 | S78 and (dynamic\$4 adj brak\$4).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | N O | 2005/04/12 16:31 |
| S83 | ω | S79 and (dynamic\$4 adj brak\$4).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | N O | 2005/04/12 16:50 |
| S84 | 16 | S82 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | NO | 2005/04/12 16:51 |

| 2005/04/12 16:52 | 2005/04/12 16:39 | 2005/04/13 07:08 | 2005/04/12 16:41 | 2005/04/13 07:04 | 2005/04/13 07:04 | 2005/04/13 06:58 |
|--|---|---|---|--|--|--|
| N O | Z O | NO O | NO . | NO O | N O | NO O |
| SO. | 8 | 8 8 | R | R | R. | R |
| US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 8 S84 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | 30 Rheostatic\$5 adj brak\$5 | 1 S85 and brak\$3 same heat\$3 same (resistance near5 change) | 07 S86 and @ad<"20040401" | 7 S88 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) same resist\$5 | S89 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) same resist\$5 | 16 S88 and electric\$3 adj (vehicle car automobile auto train) |
| w | 130 | 7 | 107 | | • | 1(|
| S85 | 988 | 282 | 888 | 685 | 065 | S91 |

| 2005/04/13 08:35 | 2005/04/13 08:30 | 2005/04/13 08:35 | 2005/04/13 08:36 | 2005/04/13 07:11 | 2005/04/13 08:37 | 2005/04/13 07:32 |
|---|---|--|--|---|---|---|
| NO | N O | NO | NO | NO | NO | NO . |
| OR | 8 | SO. | S. | R | R | g |
| US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| electric\$3 adj (vehicle car automobile auto train motor) | S92 and @ad<"20040401" | S93 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) same resist\$5 | S94 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) same resist\$5 | S95 and brak\$3 same heat\$3 same (resistance near5 change) | S95 and ((over\$1heat over\$1current (over adj (current heat))) near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) with resist\$5 | S95 and brak\$3 same heat\$3 same resistance |
| 296351 | 272903 | 4314 | 2073 | 0 | 52 | 13 |
| 292 | 293 | S94 | 295 | 968 | 297 | 868 |

| 665 | 0 | S97 and brak\$3 same heat\$3 same resistance | US-PGPUB; | A R | NO NO | 2005/04/13 07:11 |
|----------|------|--|---|--------|----------------|------------------|
| | | | USPAT; EPO; JPO; DERWENT; IBM_TDB | | | |
| S10 0 | N | S97 and (resistance near5 change) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR. | N O | 2005/04/13 07:12 |
| S10 1 | м | S98 and (resistance near5 change) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S, | N O | 2005/04/13 07:12 |
| S10 2 | 2 | S98 and ((over\$1heat over\$1current (over adj (current heat))) near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | N O | 2005/04/13 08:15 |
| 33 | 1894 | ((dynamic\$4 Rheostatic\$5) adj brak\$4).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S. | N _O | 2005/04/13 08:30 |
| S10 4 | 1557 | S103 and @ad<"20040401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | S S | N O | 2005/04/13 08:30 |
| S10 5 | 397 | S104 and electric\$3 adj (vehicle car automobile auto train motor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR. | NO O | 2005/04/13 08:35 |

| US-PGPUB; OR 2005/04/13 08:35 USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; OR 0N 2005/04/13 08:36 USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; OR 0N 2005/04/13 08:56 USPAT; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; OR 0N 2005/04/13 08:37 USPAT; EPO; JPO; DERWENT; DERWENT; |
|---|---|--|---|
| S105 and (current near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) same resist\$5 | S106 and (volt\$4 near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) same resist\$5 | 7 S107 and (resist\$5 near3 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) | S108 and ((over\$1heat over\$1current (over adj (current heat))) near2 (check\$3 detect\$3 sens\$3 measur\$5 comput\$3 calculat\$3 \$2valuat\$3 examin\$5 test\$3 determin\$3 recogniz\$3 inspect\$3 anal\$5 monitor\$3 diagnos\$3 identif\$7 meter)) |
| 31 | 10 | 7 | 2 |
| S10 6 | S10 7 | S10 8 | S10 9 |